

01055 Sequence Listing
SEQUENCE LISTING

<110> Cristillo, Anthony D.

Kalyanaraman, Vaniambadhi

Pal, Ranajit

<120> Mutant Immunodeficiency Viral Nucleic Acids And Vaccine Containing Same

<130> 2781-115

<160> 13

<170> PatentIn version 3.0

<210> 1

<211> 4

<212> PRT

<213> Artificial

<220>

<223> budding mediating motif core sequence

<400> 1

Pro Thr Ala Pro
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<210> 2

<211> 4

<212> PRT

<213> Artificial

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<223> budding mediating motif core sequence

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01055 Sequence Listing

<221> PEPTIDE

<222> (3)..(3)

<223> X may be any amino acid

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Pro Pro Xaa Tyr
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<221> PEPTIDE

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<223> Xaa may be any amino acid

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Tyr Xaa Xaa Leu
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Pro Ser Ala Pro
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01055 Sequence Listing

<211> 4

<212> PRT

<213> Artificial

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<223> budding mediating motif core sequence

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Tyr Pro Asp Leu

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<212> DNA

<213> Human immunodeficiency virus type 1

<220>

<221> CDS

<222> (1)..(144)

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Leu Gln Asn Arg Pro Glu Pro Thr Ala Pro Pro Ala Glu Ser Phe Arg
1 5 10 15

ttc gaa gag acc aca ccc gcc ccc aag cag gag agc aag gac aga gaa 96
Phe Glu Glu Thr Thr Pro Ala Pro Lys Gln Glu Ser Lys Asp Arg Glu
20 25 30

gca ctg acc agc ctg aag agc ctg ttc ggc agc gat ccc ctg agc cag 144
Ala Leu Thr Ser Leu Lys Ser Leu Phe Gly Ser Asp Pro Leu Ser Gln
35 40 45

tgaggatccg aa 156

<210> 7

<211> 48

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 7

01055 Sequence Listing

Leu Gln Asn Arg Pro Glu Pro Thr Ala Pro Pro Ala Glu Ser Phe Arg
1 5 10 15

Phe Glu Glu Thr Thr Pro Ala Pro Lys Gln Glu Ser Lys Asp Arg Glu
20 25 30

Ala Leu Thr Ser Leu Lys Ser Leu Phe Gly Ser Asp Pro Leu Ser Gln
35 40 45

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<211> 66

<212> DNA

<213> Human immunodeficiency virus type 1

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<222> (1)..(63)

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Leu Gln Asn Arg Pro Glu Pro Val Arg Ile Arg Ile Pro Ala Ala Arg
1 5 10 15 48

ggg atc cgc ccg ggc tag
Gly Ile Arg Pro Gly
20 66

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<211> 21

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 9

Leu Gln Asn Arg Pro Glu Pro Val Arg Ile Arg Ile Pro Ala Ala Arg
1 5 10 15

Gly Ile Arg Pro Gly
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<210> 10

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01055 Sequence Listing

<212> DNA

<213> Human immunodeficiency virus type 1

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gaggcaagaa		
acggtacatg		
atcaagcacc		
tggtgtggc		
cagcagagag		
ctggagcggt		180
tcgcactgaa		
tcctggcctc		
ctggagacca		
gcgaaggatg		
caaacagatc		
atgaagcagc		240
tccaaccagc		
tctgcagacc		
ggcactgagg		
aactgagaag		
cctgtacaac		
accgtggcca		300
ccctgtactg		
cgtcacgag		
ggcgtggaag		
tgcgggacac		
caaggaggcc		
ctggaccgga		360
tcgaggaaga		
gcagaacaag		
atccagaaa		
agatccagca		
gaagacccaa		
caggccgctg		420
atggaaaggt		
gagccagaac		
taccccatcg		
tccagaacct		
ccagggccag		
atggtgcacc		480
agaagctgag		
ccctcggaca		
ctgaacgcct		
gggtcaaggt		
gatcgaagag		
aaggcttca		540
gccctgaagt		
gatccccatg		
ttcacagctc		
tgagcgaagg		
cggcactcct		
caggacctga		600
acaccatgct		
gaacaccgtg		
ggaggccacc		
aagctgcaat		
gcagatgctg		
aaggacacca		660
tcaacgagga		
agctgccgag		
tgggacagac		
tgcacatccgt		
ccacgcccga		
cccatcgctc		720
ctggccagat		
gcggAACCT		
agaggaagcg		
atatcgctgg		
cactacctcc		
accctgcaag		780
agcagatcgc		
ttggatgacc		
agcaaccccc		
ctatccccgt		
cggcgacatc		
tacaagcggt		840
ggatcatcct		
gggcctgaac		
aagatcgtga		
aatgtacag		
ccccgtgagc		
atcctggaca		900
tcaagcaagg		
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cccttcagag		
actacgtcga		
ccggttcttt		
aagactctga		960
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ggcaacccag		
gaggtgaaga		
actggatgac		
cgacacactg		
ctggtccaga		1020
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cgactgcaag		
accatcctga		
aggctctggg		
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agcatgccag		
ggcgtcggag		
gaccaagcca		
caaagcaaga		
gtgctcgccg		1140
aggccatgag		
ccagaccaac		
agcgtgaata		
tcctgatgca		
gaagagcaac		
ttcaaaggca		1200
acaagcggat		
ggtcaagtgc		
ttcaactgtg		
gcaaggaagg		
acacatcgca		
cggaaactgca		1260
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gaagaaaggc		
tgctggaagt		
gcggcaagga		
aggacaccag		
atgaaggact		1320
gcacagagcg		
gcaagcaaac		
ttcctcggaa		
agatctggcc		
aagccacaag		
ggaagacccg		1380
gcaatttcct		
gcagaacaga		
cctgagccca		
ccgccccacc		
tgctgagagc		
ttccggttcg		1440
aagagaccac		
acccgcccccc		
aagcaggaga		
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01055 Sequence Listing

<212> DNA

<213> Artificial

<220>

<223> mutation primer

<400> 11

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<210> 12

<211> 38

<212> DNA

<213> Artificial

<220>

<223> mutation primer

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38

<210> 13

<211> 12

<212> DNA

<213> Human immunodeficiency virus type 1

<400> 13

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